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International application No. PCT/JP03/09874

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H02J7/00, H01M10/44						
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
	ocumentation searched (classification system followed	by classification symbols)				
Int.	Cl ⁷ H02J7/00, H01M10/44					
Documentat	tion searched other than minimum documentation to the	a extent that such decuments are included	in aborein) an anna a			
	ayo Shinan Koho 1926-1996	Jitsuyo Shinan Toroku Koho				
Koka	i Jitsuyo Shinan Koho 1971-2003	Toroku Jitsuyo Shinan Koho	1994-2003			
Electronic d	ata base consulted during the international search (nam	e of data base and, where practicable, sea	rch terms used)			
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Category*	Citation of document, with indication, where ap		Relevant to claim No.			
A	JP 6-150920 A (Matsushita El	ectric Industrial	1-3			
	Co., Ltd.), 31 May, 1994 (31.05.94),					
	Full text					
	(Family: none)					
Y	WO 96/015020 A1 (VATTENFALL	AB)	1-3			
_	18 January, 1996 (18.01.96),	12,,	1-3			
	Full text; all drawings					
	& US 5903064 A & EP & JP 10-502517 A	769218 B1				
Y	JP 11-86058 A (Nitsuko Corp.),	1-3			
	30 March, 1999 (30.03.99), Full text; all drawings.					
	(Family: none)					
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	er documents are listed in the continuation of Box C.	See patent family annex.				
"A" docum	l categories of cited documents: ent defining the general state of the art which is not	"T" later document published after the inte priority date and not in conflict with the	ne application but cited to			
conside "E" earlier	ered to be of particular relevance document but published on or after the international filing	"X" understand the principle or theory und document of particular relevance; the	erlying the invention			
date	ent which may throw doubts on priority claim(s) or which is	considered novel or cannot be conside	red to involve an inventive			
cited to establish the publication date of another citation or other		step when the document is taken alone "Y" document of particular relevance; the				
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other		considered to involve an inventive ste combined with one or more other such	p when the document is documents, such			
means "P" document published prior to the international filing date but later		combination being obvious to a persor document member of the same patent	skilled in the art			
than th	e priority date claimed		-			
Date of the actual completion of the international search 21 August, 2003 (21.08.03)		Date of mailing of the international search				
21 A	(21.00.03)	02 September, 2003	(02.09.03)			
Name and mailing address of the ISA/		Authorized officer				
Japanese Patent Office						
Facsimile No.		Telephone No.				
		-				



International application No.
PCT/JP03/09874

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Y	WO 01/65627 Al (Matsushita Electric Industrial Co., Ltd.), 07 September, 2001 (07.09.01), Full text; all drawings & EP 1261064 Al & US 2003/137277 Al	1-3	
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	国際出願番号 1~T/JP03/09874			
C (続き).				
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表	示	関連する 請求の範囲の番号	
Y	JP 11-86058 A (日通工株式会社) 1999.03.30,全文,全図 (ファミリーなし)		1-3	
Y .	WO 01/65627 A1 (松下電器産業株式会社) 2001.09.07,全文,全図 &EP 1261064 A1 &US 2003/137277 A1		1 — 3	
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